1   1.   A method for tracking and controlling e-mail forwarding of an encrypted

2   document generated by a publisher from a user connected to a content server to

3   a recipient user, comprising:

4   (a)   in response to a request from the user, preparing in the content server, an

5   e-mail message that contains a link to the publisher and an identifier for

6   the document;

7   (b)   sending the e-mail message to the recipient user wherein, upon receiving

8   the e-mail, the recipient user logs onto a forwarding server at the

9   document publisher;

10   (c)   receiving and resolving the link at the publisher and downloading a secure

11   viewer program to the recipient user and an encrypted version of the

12   requested document to the secure browser program;

13   (d)   requesting a decryption key for the encrypted document with the secure

14   viewer program; and

15   (e)   decrypting the encrypted document and displaying the document content

16   in the secure viewer program.

1   2.   The method of claim 1 wherein step (a) comprises making the request to forward

2   the encrypted document to the recipient user with a secure viewer running in a

3   browser.

1   3.   The method of claim 1 wherein the link in the e-mail message contains

2   information identifying the sender of the e-mail, the recipient of the e-mail and the

3   encrypted document.

1   4.   The method of claim 3 wherein the information is inserted into the URL of the link

2   to the publisher.

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1   5.   The method of claim 3 wherein step (a) comprises encrypting the identifying
2   information in the e-mail message.

1   6.   The method of claim 5 wherein step (a) comprises encrypting the information
2   with a public key of a public/private key pair assigned of the publisher.

1   7.   The method of claim 1 wherein step (b) comprises opening, in a computer of the
2   recipient user, a browser in response to a selection of the link by the recipient
3   user and navigating to the forwarding server.

1   8.   The method of claim 7 wherein step (c) comprises downloading a secure viewer
2   program into the browser in the recipient user's computer.

1   9.   The method of claim 1 wherein step (c) comprises downloading a document
2   identifier to the secure viewer program running in the recipient user's computer.

1   10.   The method of claim 9 wherein step (d) comprises using the document identifier
2   to request a decryption key from the forwarding server.

1   11.   The method of claim 10 wherein step (d) further comprises returning the
2   decryption key from the forwarding server to the secure viewer program in
3   response to the document identifier.

1   12.   The method of claim 1 further comprising logging the information in the e-mail
2   including the sender, the recipient and the document identifier by the forwarding
3   server.

1 13. The method of claim 1 wherein the link maintains a count of the number of times
2   it has been selected.

1 14. The method of claim 13 wherein the link is a one-time link.

1 15. Apparatus for tracking and controlling e-mail forwarding of an encrypted
2   document generated by a publisher from a user connected to a content server to
3   a recipient user, comprising:
4   means responsive to a request from the user for preparing in the content
5   server, an e-mail message that contains a link to the publisher and an identifier
6   for the document;
7   means for sending the e-mail message to the recipient user wherein, upon
8   receiving the e-mail, the recipient user logs onto a forwarding server at the
9   document publisher;
10   means for receiving and resolving the link at the publisher and
11   downloading a secure viewer program to the recipient user and an encrypted
12   version of the requested document to the secure browser program;
13   means for requesting a decryption key for the encrypted document with
14   the secure viewer program; and
15   means for decrypting the encrypted document and displaying the
16   document content in the secure viewer program.

1 16. The apparatus of claim 15 wherein the request to forward the encrypted
2   document to the recipient user is made with a secure viewer running in a
3   browser.

1   17.   The apparatus of claim 15 wherein the link in the e-mail message contains

2   information identifying the sender of the e-mail, the recipient of the e-mail and the

3   encrypted document.

1   18.   The apparatus of claim 17 wherein the information is inserted into the URL of the

2   link to the publisher.

1   19.   The apparatus of claim 17 further comprising means for encrypting the identifying

2   information in the e-mail message.

1   20.   The apparatus of claim 19 wherein the means for encrypting the identifying

2   information comprises means for encrypting the information with a public key of a

3   public/private key pair assigned of the publisher.

1   21.   The apparatus of claim 15 further comprising means for opening, in a computer

2   of the recipient user, a browser in response to a selection of the link by the

3   recipient user and means for using the browser to navigate to the forwarding

4   server.

1   22.   The apparatus of claim 21 wherein the means for downloading a secure viewer

2   program comprises means for downloading a secure viewer program into the

3   browser in the recipient user's computer.

1   23.   The apparatus of claim 15 wherein the means for downloading an encrypted

2   version of the requested document to the secure browser program comprises

3   means for downloading a document identifier to the secure viewer program

4   running in the recipient user's computer.

1   24.   The apparatus of claim 23 wherein the means for requesting a decryption key
2   comprises means for using the document identifier to request a decryption key
3   from the forwarding server.

1   25.   The apparatus of claim 24 wherein the means for requesting a decryption key
2   further comprises means for returning the decryption key from the forwarding
3   server to the secure viewer program in response to the document identifier.

1   26.   The apparatus of claim 15 further comprising means for logging the information
2   in the e-mail including the sender, the recipient and the document identifier by
3   the forwarding server.

1   27.   The apparatus of claim 15 wherein the link maintains a count of the number of
2   times it has been selected.

1   28.   The apparatus of claim 27 wherein the link is a one-time link.

1   29.   A computer program product for tracking and controlling e-mail forwarding of an
2   encrypted document generated by a publisher from a user connected to a
3   content server to a recipient user, the computer program product comprising a
4   computer usable medium having computer readable program code thereon:
5   program code operable in response to a request from the user, for
6   preparing in the content server, an e-mail message that contains a link to the
7   publisher and an identifier for the document;
8   program code for sending the e-mail message to the recipient user
9   wherein, upon receiving the e-mail, the recipient user logs onto a forwarding
10   server at the document publisher;

11	program code for receiving and resolving the link at the publisher and
12	downloading a secure viewer program to the recipient user and an encrypted
13	version of the requested document to the secure browser program;
14	program code for requesting a decryption key for the encrypted document
15	with the secure viewer program; and
16	program code for decrypting the encrypted document and displaying the
17	document content in the secure viewer program.

1	30.	The computer program product of claim 29 wherein the program code for
2		preparing an e-mail message comprises a secure viewer program running in a
3		browser that makes the request to forward the encrypted document to the
4		recipient user.

1	31.	The computer program product of claim 29 wherein the link in the e-mail
2		message contains information identifying the sender of the e-mail, the recipient of
3		the e-mail and the encrypted document.

| 1 | 32. | The computer program product of claim 31 wherein the information is inserted |
| 2 | | into the URL of the link to the publisher. |

1	33.	The computer program product of claim 31 wherein the program code for
2		preparing an e-mail message comprises program code for encrypting the
3		identifying information in the e-mail message.

1	34.	The computer program product of claim 33 wherein the program code for
2		preparing an e-mail message comprises program code for encrypting the
3		information with a public key of a public/private key pair assigned of the
4		publisher.

1 35. The computer program product of claim 29 wherein the program code for
2   sending the e-mail message to the recipient user comprises program code for
3   opening, in a computer of the recipient user, a browser in response to a selection
4   of the link by the recipient user and navigating to the forwarding server.

1 36. The computer program product of claim 35 wherein the program code for
2   downloading a secure viewer program to the recipient user comprises program
3   code for downloading a secure viewer program into the browser in the recipient
4   user's computer.

1 37. The computer program product of claim 29 wherein the program code for
2   downloading a secure viewer program to the recipient user comprises program
3   code for downloading a document identifier to the secure viewer program running
4   in the recipient user's computer.

1 38. The computer program product of claim 37 wherein the program code for
2   requesting a decryption key for the encrypted document comprises program code
3   for using the document identifier to request a decryption key from the forwarding
4   server.

1 39. The computer program product of claim 38 wherein the program code for
2   requesting a decryption key for the encrypted document further comprises
3   program code for returning the decryption key from the forwarding server to the
4   secure viewer program in response to the document identifier.

1 40. The computer program product of claim 29 further comprising program code for
2   logging the information in the e-mail including the sender, the recipient and the
3   document identifier by the forwarding server.

1   41.   The computer program product of claim 29 wherein the link maintains a count of
2   the number of times it has been selected.

1   42.   The computer program product of claim 41 wherein the link is a one-time link.